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ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.310

Corrigendum 1
(02/98)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Infrastructure of audiovisual services – Systems and
terminal equipment for audiovisual services

Broadband audiovisual communication systems and
terminals

Corrigendum 1

ITU-T Recommendation H.310 – Corrigendum 1

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION H.310

BROADBAND AUDIOVISUAL COMMUNICATION SYSTEMS AND TERMINALS

CORRIGENDUM 1

Source

Corrigendum 1 to ITU-T Recommendation H.310, was prepared by ITU-T Study Group 16 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 6th of February 1998.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, the ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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Recommendation H.310

BROADBAND AUDIOVISUAL COMMUNICATION SYSTEMS AND TERMINALS

CORRIGENDUM 1

(Geneva, 1998)

H.310 text changes necessary to correct the H.320/H.321 interoperation stack of the RAST-5 terminal

1) Subclause 6.1

a) Replace Figure 2 with the following:

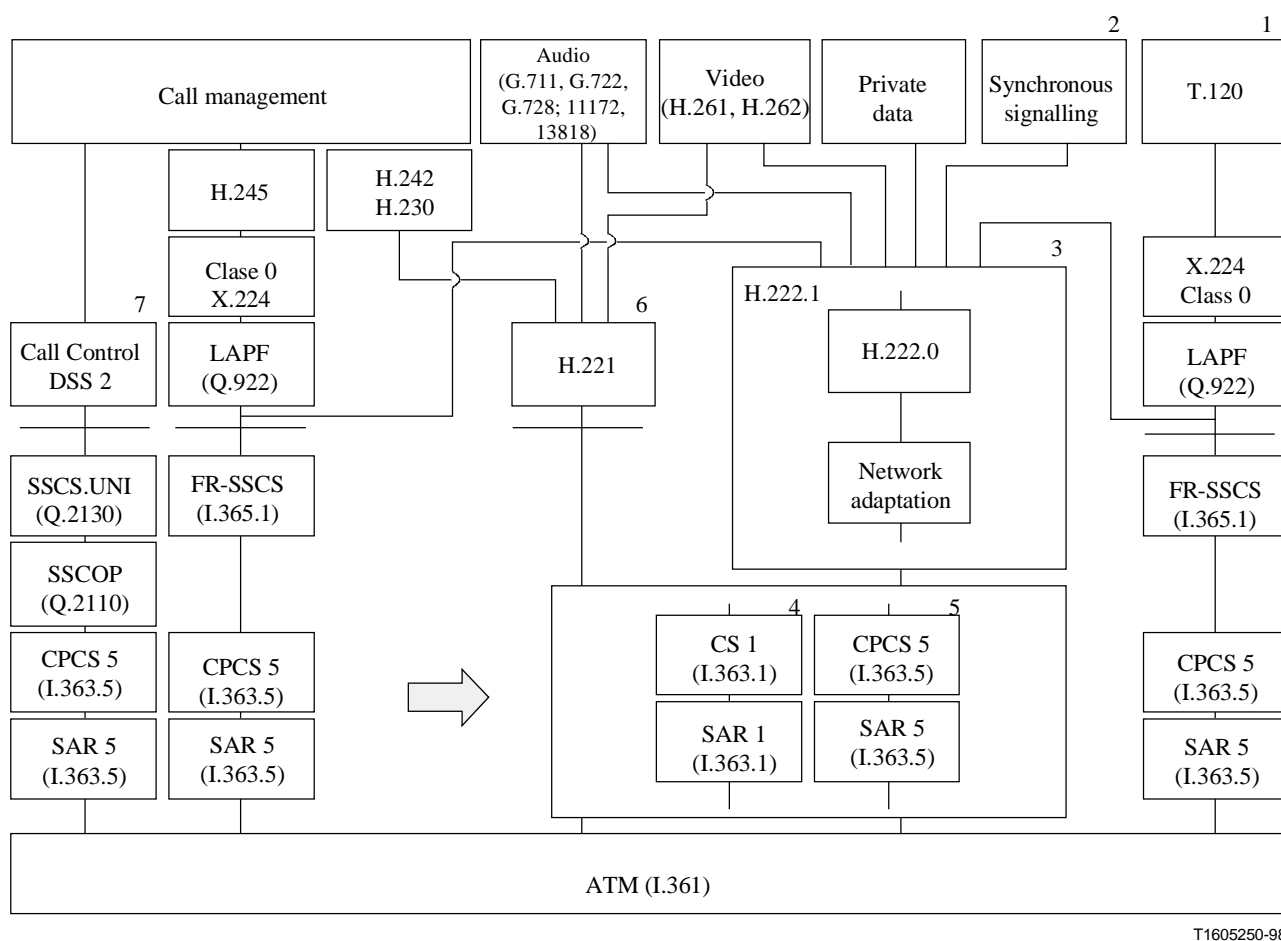


Figure 2/H.310 – H.310 protocol reference model

b) In the paragraph starting with The following Notes apply ..., replace item 6) with the following:

6) H.221 is required in the H.310 RAST-1, RAST-5 and RAST-1&5 terminals for interworking with H.320/H.321 terminals.

2) **Subclause 6.2.2**

a) *Replace Figure 3 with the following:*

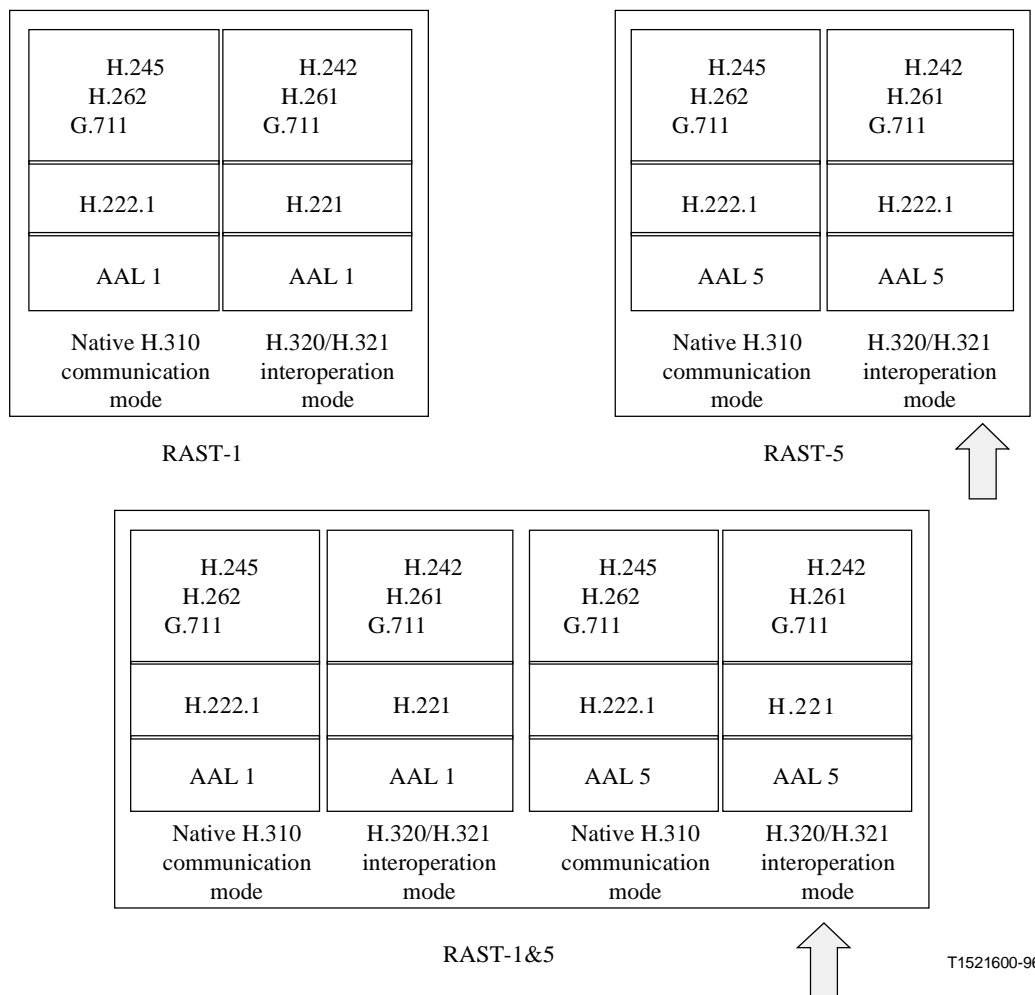


Figure 3/H.310 – Protocol stacks for native H.310 and H.320/H.321 interoperation communication modes

b) *Replace the third from last paragraph with:*

The H.310 RAST-5 terminal supports AAL 5. Its native communication mode consists of H.222.1 with G.711, H.262, and H.245 as the audio, video and control protocols. Its H.320/H.321 interoperation mode uses H.221 with H.242 control and requires a gateway for AAL conversion. G.711 and H.261 audio and video are supported to avoid transcoding at the gateway.

3) Subclause 6.3.4

Replace Table 4 with the following:

Table 4/H.310 – Network adaptation capabilities of H.310 terminals

Terminal type		Network adaptation capabilities							
		Multimedia multiplex		AAL for audiovisual data		Number of ATM VCs		Transfer rate (kbit/s)	
		Mandatory	Optional	Mandatory	Optional	Mandatory	Optional	Mandatory	Optional
RAST-5	Native mode	H.222.1 TS	H.222.1 PS	AAL 5	AAL 1	2	> 2	6144 9216	n*64
	H.320/1 mode	H.221	–	AAL 5	–	2	> 2	B 2B H0	n × B n × H0 H11 H12
RAST-1&5	Native mode	H.222.1 TS	H.222.1 PS	AAL 1 AAL 5	–	2	> 2	6144 9216	n*64
	H.320/1 mode	H.221	–	AAL 1 AAL 5	–	2	> 2	B 2B H0	n × B n × H0 H11 H12

4) Subclause 6.3.4.1

Replace the last paragraph (before the Note) with:

All bidirectional H.310 terminals shall support Recommendation H.221 for interworking with H.320 and H.321 terminals.

5) Subclause 6.3.4.2

After the heading **The use of AAL type 5**, add the following as the first paragraph:

RAST-5 and RAST-1&5 terminals shall support the adaptation of H.221 multiplexed audiovisual data into ATM using the AAL-5 SAR and CPCS functions which are defined in I.363.5. This will enable the interworking between H.310 and H.321 terminals.

6) Subclause 6.3.5

Replace Table 5 with the following:

Table 5/H.310 – Signalling capabilities of H.310 terminals

Terminal type		Signalling capabilities			
		User-to-user signalling		User-to-network signalling	
		Mandatory	Optional	Mandatory	Optional
RAST-5	Native mode	H.245	DSM-CC UU	Q.2931	DSM-CC UN
	H.320/1 mode	H.242/H.230	–	Q.2931	–
RAST-1&5	Native mode	H.245	DSM-CC UU	Q.2931	DSM-CC UN
	H.320/1 mode	H.242/H.230	–	Q.2931	–

7) Subclause 6.3.5.2

Replace the second paragraph with the following, deleting the Note:

All bidirectional H.310 terminals shall support ITU-T Recommendations H.242 and H.230 for interworking with H.320 and H.321 terminals.

8) Subclause 12.2

Replace the second paragraph with the following:

Additionally, for interworking with H.320/H.321 terminals, all RAST terminal types shall support the following modes:

- c) H.221/H.242-H.230;
- d) 1B, 2B and H0 transfer modes;
- e) Two ATM VCs (for supporting the 2B communication mode with H.320).

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